ELSEVIER

1 November 2002

Optics Communications 212 (2002) 413–418

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Author index to volume 212

Agnesi, A. and P. Uggetti, Measurement of thermal diffractive losses in end-pumped solid-state lasers 212 (2002) 371
Ahn, J.T. and K.H. Kim, Long wavelength band erbium-doped fiber amplifier with a reflective type first-stage amplifier 212 (2002) 275
Almazán-Cuéllar, S., D. Malacara-Hernández and M. Servín, Two steps phase shifting algorithm using analytic wavelets 212 (2002) 71
Álvarez, J.M., see Sola, I.J. 212 (2002) 359
Arentoft, J., see Bozhevolnyi, S.I. 212 (2002) 51
Asakawa, K., see Li, M. 212 (2002) 159

Batson, P., see Naulleau, P.P. 212 (2002) 225
Bellver-Cebreros, C. and M. Rodriguez-Danta, Internal conical refraction in biaxial media and graphical plane constructions deduced from Möhr's method 212 (2002) 199
Boltasseva, A., see Bozhevolnyi, S.I. 212 (2002) 51
Boquillon, J.P., see Boucher, M. 212 (2002) 139
Boucher, M., O. Musset, J.P. Boquillon and E. Georgiou, Multiwatt CW diode end-pumped Nd:YAP laser at 1.08 and 1.34 μm: influence of Nd doping level 212 (2002) 139
Bozhevolnyi, S.I. and B. Vohnsen, Near-field imaging of optical phase and its singularities 212 (2002) 217
Bozhevolnyi, S.I., V.S. Volkov, J. Arentoft, A. Boltasseva, T. Søndergaard and M. Kristensen, Direct mapping of light propagation in photonic crystal waveguides 212 (2002) 51
Burger, J.P., S. Dubovitsky and W.H. Steier, Kerr-like nonlinear mode converters for integrated optic device applications 212 (2002) 251

Chan, C.C., see Gong, J.M. 212 (2002) 29
Chavel, P., see Liang, Y. 212 (2002) 247
Chiang, C.-P., see Hsu, I.-J. 212 (2002) 391
Chih Lin, W., see Guo, Y. 212 (2002) 7
Close, J.D., see Fletcher, C.S. 212 (2002) 85
Cubel, T., see Teo, B.K. 212 (2002) 307
Cui, Z., see Peng, X. 212 (2002) 235

Deng, L., E.W. Hagley and M.G. Payne, Optical wave group velocity reduction in sodium without on-resonance electromagnetically induced transparency 212 (2002) 101
Deng, C.-R., see Hsu, I.-J. 212 (2002) 391
Denham, P., see Naulleau, P.P. 212 (2002) 225
dos Santos, P.A.M., Moiré-like patterns as a spatial beat frequency in photorefractive sinusoidal phase gratings superposition 212 (2002) 211

PII: S0030-4018(02)02067-9

Du, C., L. Qin, X. Meng, G. Xu, Z. Wang, X. Xu, L. Zhu, B. Xu and Z. Shao, High-power Nd:$GdVO_4$ laser at 1.34 μm end-pumped by laser-diode-array 212 (2002) 177
Dubovitsky, S., see Burger, J.P. 212 (2002) 251

Ecevit, F.N., see San, S.E. 212 (2002) 405
Egil Helseth, L., Focusing of atoms with strongly confined light potentials 212 (2002) 343
El-Diasty, F., Application of Fizeau fringes with bending technique to determine the shear modulus of the cladding material of single-mode optical fibers through the mechanically induced change of refractive index 212 (2002) 267

Fleischhauer, M., see Johnsson, M. 212 (2002) 335
Fletcher, C.S., J.E. Lye, N.P. Robins and J.D. Close, A self-locked magneto-optic trap 212 (2002) 85
Fraser, E., see Gleeson, H.F. 212 (2002) 165

George, T.F., see Myslivets, S.A. 212 (2002) 411
Georgiou, E., see Boucher, M. 212 (2002) 139
Gini, E., see Melikyan, A. 212 (2002) 183
Gleeson, H.F., A.J. Murray, E. Fraser and A. Zoro, An electrically addressed liquid crystal filter for tunable lasers 212 (2002) 165
Gong, J.M., C.C. Chan, W. Jin, J.M.K. MacAlpine, M. Zhang and Y.B. Liao, Enhancement of wavelength detection accuracy in fiber Bragg grating sensors by using a spectrum correlation technique 212 (2002) 29
Guekos, G., see Melikyan, A. 212 (2002) 183
Guo, Y., H. Ming, L. Tang, Y. Hua Lu, P. Wang, D. Ping Tsai and W. Chih Lin, The size effect in the AgO_x-type super-resolution near-field structure 212 (2002) 7
Guo, W. and S. Prasad, Multiple scattering of light from a random slab: a density-fluctuation approach 212 (2002) 1

Hagley, E.W., see Deng, L. 212 (2002) 101
Halfmann, T., see Myslivets, S.A. 212 (2002) 411
Hlubina, P., Dispersive white-light spectral interferometry to measure distances and displacements 212 (2002) 65
Hong, F.-L., Y. Zhang, J. Ishikawa, A. Onae and H. Matsumoto, Hyperfine structure and absolute frequency determination of the R(121)35-0 and P(142)37-0 transitions of $^{127}I_2$ near 532 nm 212 (2002) 89
Hsieh, W.-F., see Lin, J.-H. 212 (2002) 149
Hsu, I.-J., C.-W. Lu, C.-R. Deng, C.C. Yang, C.-P. Chiang, C.-W. Lin and Y.-W. Kiang, Optical coherence tomography using nonlinear optics in fiber for broadband source generation 212 (2002) 391
Hua Lu, Y., see Guo, Y. 212 (2002) 7
Huyet, G., see Sailliot, C. 212 (2002) 353

Ikeda, N., see Li, M. 212 (2002) 159
Ishikawa, J., see Hong, F.-L. 212 (2002) 89
Ishizuka, M., see Li, M. 212 (2002) 159
Ivanov, R., K. Koynov and S. Saltiel, Efficiency of cascaded third harmonic generation in single quadratic crystal in focused beam 212 (2002) 397

Jia, D., L. Lu and W.M. Yen, Erbium energy levels relative to the band gap of gadolinium oxide 212 (2002) 97
Jin, W., see Gong, J.M. 212 (2002) 29
Johnsson, M., E. Korsunsky and M. Fleischhauer, Eliminating nonlinear phase mismatch in resonantly enhanced four-wave mixing 212 (2002) 335
Jung, E.C., K.-H. Ko, S.P. Rho, C. Lim and C.-J. Kim, Measurement of the populations of metastable levels in gadolinium vapor by diode laser-based UV and near-IR absorption spectroscopy 212 (2002) 293

Kadono, H., see Madjarova, V. 212 (2002) 35
Kapphan, S., see Zhao, J. 212 (2002) 287
Kiang, Y.-W., see Hsu, I.-J. 212 (2002) 391
Kim, K.H., see Ahn, J.T. 212 (2002) 275
Kim, K., see Podoshvedov, S.A. 212 (2002) 115
Kim, Y. and T.H. Yoon, Higher order sub-Poissonian photon statistics of light 212 (2002) 107
Kim, C.-J., see Jung, E.C. 212 (2002) 293
Ko, K.-H., see Jung, E.C. 212 (2002) 293
Korsunsky, E., see Johnsson, M. 212 (2002) 335
Koynov, K., see Ivanov, R. 212 (2002) 397
Köysal, O., see San, S.E. 212 (2002) 405
Kristensen, M., see Bozhevolnyi, S.I. 212 (2002) 51
Krylova, D.D., The line shape of linear optical Ramsey resonance 212 (2002) 317

Lai, Y., see Lin, G.-R. 212 (2002) 169
Li, L., see Tang, Y. 212 (2002) 279
Li, M., M. Ishizuka, X. Liu, Y. Sugimoto, N. Ikeda and K. Asakawa, Nanostructuring in submicron-level waveguides with femtosecond laser pulses 212 (2002) 159
Liang, Y., H. Zhai and P. Chavel, Fuzzy color-image retrieval 212 (2002) 247
Liao, Y.B., see Gong, J.M. 212 (2002) 29
Lim, C., see Jung, E.C. 212 (2002) 293
Lin, G.-R. and Y. Lai, A novel phase-noise-suppressed and delay-time-tunable mode-locked erbium-doped fiber laser 212 (2002) 169
Lin, C.-W., see Hsu, I.-J. 212 (2002) 391
Lin, J.-H., W.-F. Hsieh and H.-H. Wu, Harmonic mode locking and multiple pulsing in a soft-aperture Kerr-lens mode-locked Ti:sapphire laser 212 (2002) 149
Lit, J.W.Y., see Zoweil, H. 212 (2002) 57
Liu, X., see Li, M. 212 (2002) 159
Longtin, J.P., see Mishra, D. 212 (2002) 17
Lu, C.-W., see Hsu, I.-J. 212 (2002) 391
Lu, L., see Jia, D. 212 (2002) 97
Lye, J.E., see Fletcher, C.S. 212 (2002) 85

MacAlpine, J.M.K., see Gong, J.M. 212 (2002) 29
Madjarova, V., S. Toyooka, R. Widiastuti and H. Kadono, Dynamic ESPI with subtraction–addition method for obtaining the phase 212 (2002) 35
Malacara-Hernández, D., see Almazán-Cuéllar, S. 212 (2002) 71
Marangos, J.P., see Myslivets, S.A. 212 (2002) 411
Martín, J.C., see Sola, I.J. 212 (2002) 359

Matsumoto, H., see Hong, F.-L. 212 (2002) 89
Melikyan, A., H. Minassian, V. Truchin, E. Gini and G. Guekos, Nonlinear interband absorption of intense light wave in bulk InGaAsP 212 (2002) 183
Meng, X., see Du, C. 212 (2002) 177
Minassian, H., see Melikyan, A. 212 (2002) 183
Ming, H., see Guo, Y. 212 (2002) 7
Mishra, D., S.L. Wong, J.P. Longtin, R.P. Singh and V. Prasad, Development of a coherent gradient-sensing tomographic interferometer for three-dimensional refractive index-based measurements 212 (2002) 17
Murray, A.J., see Gleeson, H.F. 212 (2002) 165
Musset, O., see Boucher, M. 212 (2002) 139
Myslivets, S.A., A.K. Popov, T. Halfmann, J.P. Marangos and T.F. George, Erratum to: "Nonlinear-optical vacuum ultraviolet generation at maximum atomic coherence controlled by a laser-induced Stark chirp of two-photon resonance" [Opt. Commun. 209 (2002) 335–347] 212 (2002) 411

Naulleau, P.P., P. Batson, P. Denham, D. Richardson and J. Underwood, An in situ scanning-slit alignment system for Kirkpatrick–Baez optics 212 (2002) 225
Noh, J., see Podoshvedov, S.A. 212 (2002) 115

Onae, A., see Hong, F.-L. 212 (2002) 89

Pankrath, R., see Zhao, J. 212 (2002) 287
Parvanova, N., see Zhechev, D. 212 (2002) 301
Payne, M.G., see Deng, L. 212 (2002) 101
Peng, X., Z. Cui and T. Tan, Information encryption with virtual-optics imaging system 212 (2002) 235
Ping Tsai, D., see Guo, Y. 212 (2002) 7
Podoshvedov, S.A., J. Noh and K. Kim, Generation of correlated squeezing in nonlinear coupler 212 (2002) 115
Popov, A.K., see Myslivets, S.A. 212 (2002) 411
Prasad, V., see Mishra, D. 212 (2002) 17
Prasad, S., see Guo, W. 212 (2002) 1

Qin, L., see Du, C. 212 (2002) 177

Raithel, G., see Teo, B.K. 212 (2002) 307
Rao, M., see Tang, Y. 212 (2002) 279
Rho, S.P., see Jung, E.C. 212 (2002) 293
Richardson, D., see Naulleau, P.P. 212 (2002) 225
Robins, N.P., see Fletcher, C.S. 212 (2002) 85
Rodriguez-Danta, M., see Bellver-Cebreros, C. 212 (2002) 199
Rueda, J.E., see Salazar, Á.R. 212 (2002) 191

Sailliot, C., V. Voignier and G. Huyet, Filamentation in broad area quantum dot semiconductor lasers 212 (2002) 353
Salazar, Á.R. and J.E. Rueda, Modification of the exchange of energy in BSO at equal optimized coupling constant 212 (2002) 191

Saldin, E.L., E.A. Schneidmiller and M.V. Yurkov, Scheme for attophysics experiments at a X-ray SASE FEL 212 (2002) 377
Saltiel, S., see Ivanov, R. 212 (2002) 397
San, S.E., O. Köysal and F.N. Ecevit, Molecular reorientation-based grating diffraction in dye-doped nematic liquid crystals with red pumping source 212 (2002) 405
Schneidmiller, E.A., see Saldin, E.L. 212 (2002) 377
Servín, M., see Almazán-Cuéllar, S. 212 (2002) 71
Shao, Z., see Du, C. 212 (2002) 177
Singh, R.P., see Mishra, D. 212 (2002) 17
Sola, I.J., J.C. Martín and J.M. Álvarez, Nonlinear response of a unidirectional erbium-doped fiber ring laser to a sinusoidally modulated pump power 212 (2002) 359
Søndergaard, T., see Bozhevolnyi, S.I. 212 (2002) 51
Steier, W.H., see Burger, J.P. 212 (2002) 251
Stepanov, M.A., Transformation of Bessel beams under internal conical refraction 212 (2002) 11
Sugimoto, Y., see Li, M. 212 (2002) 159
Sun, X., see Tang, Y. 212 (2002) 279

Tan, T., see Peng, X. 212 (2002) 235
Tanaka, T., K. Yamaguchi and S. Yamamoto, Rhodamine-B-doped and Au(III)-doped PMMA film for three-dimensional multi-layered optical memory 212 (2002) 45
Tang, L., see Guo, Y. 212 (2002) 7
Tang, Y., X. Sun, M. Rao, L. Li, C. Wang and M. Zhang, Investigation of dynamic resource allocation based on transmission performance analysis and service classification in wavelength-division-multiplexing optical networks 212 (2002) 279
Teo, B.K., T. Cubel and G. Raithel, A slow and dark atomic beam 212 (2002) 307
Toyooka, S., see Madjarova, V. 212 (2002) 35
Truchin, V., see Melikyan, A. 212 (2002) 183
Turaev, D., see Wolfrum, M. 212 (2002) 127

Uggetti, P., see Agnesi, A. 212 (2002) 371
Underwood, J., see Naulleau, P.P. 212 (2002) 225

Vohnsen, B., see Bozhevolnyi, S.I. 212 (2002) 217
Voignier, V., see Sailliot, C. 212 (2002) 353
Volkov, V.S., see Bozhevolnyi, S.I. 212 (2002) 51

Wang, C., see Tang, Y. 212 (2002) 279
Wang, Z., see Du, C. 212 (2002) 177
Wang, P., see Guo, Y. 212 (2002) 7
Widiastuti, R., see Madjarova, V. 212 (2002) 35
Wolfrum, M. and D. Turaev, Instabilities of lasers with moderately delayed optical feedback 212 (2002) 127
Wong, S.L., see Mishra, D. 212 (2002) 17
Wu, H.-H., see Lin, J.-H. 212 (2002) 149

Xu, B., see Du, C. 212 (2002) 177
Xu, X., see Du, C. 212 (2002) 177
Xu, G., see Du, C. 212 (2002) 177

Xu, Q., see Zhao, J. 212 (2002) 287

Yamaguchi, K., see Tanaka, T. 212 (2002) 45
Yamamoto, S., see Tanaka, T. 212 (2002) 45
Yang, C.C., see Hsu, I.-J. 212 (2002) 391
Yang, D., see Zhao, J. 212 (2002) 287
Yen, W.M., see Jia, D. 212 (2002) 97
Yoon, T.H., see Kim, Y. 212 (2002) 107
Yurkov, M.V., see Saldin, E.L. 212 (2002) 377

Zhai, H., see Liang, Y. 212 (2002) 247
Zhang, M., see Gong, J.M. 212 (2002) 29
Zhang, Y., see Hong, F.-L. 212 (2002) 89
Zhang, M., see Tang, Y. 212 (2002) 279
Zhao, J., Q. Xu, W. Zhou, D. Yang, S. Kapphan and R. Pankrath, Photorefractive edge-enhancement joint transform correlator 212 (2002) 287
Zhechev, D. and N. Parvanova, Broadening, shift and polarization of spectral line emitted from hollow cathode discharge 212 (2002) 301
Zhou, W., see Zhao, J. 212 (2002) 287
Zhu, L., see Du, C. 212 (2002) 177
Zoro, A., see Gleeson, H.F. 212 (2002) 165
Zoweil, H. and J.W.Y. Lit, Bragg grating with periodic non-linearity as optical switch 212 (2002) 57

ELSEVIER

1 November 2002

Optics Communications 212 (2002) 419–422

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 212

Propagation and scattering

W. Guo and S. Prasad, Multiple scattering of light from a random slab: a density-fluctuation approach 1

Y. Guo, H. Ming, L. Tang, Y. Hua Lu, P. Wang, D. Ping Tsai and W. Chih Lin, The size effect in the AgO_x-type super-resolution near-field structure 7

M.A. Stepanov, Transformation of Bessel beams under internal conical refraction 11

C. Bellver-Cebreros and M. Rodriguez-Danta, Internal conical refraction in biaxial media and graphical plane constructions deduced from Möhr's method 199

P.A.M. dos Santos, Moiré-like patterns as a spatial beat frequency in photorefractive sinusoidal phase gratings superposition 211

S.I. Bozhevolnyi and B. Vohnsen, Near-field imaging of optical phase and its singularities 217

P.P. Naulleau, P. Batson, P. Denham, D. Richardson and J. Underwood, An in situ scanning-slit alignment system for Kirkpatrick–Baez optics 225

Optical information, image formation and analysis, optical computing

D. Mishra, S.L. Wong, J.P. Longtin, R.P. Singh and V. Prasad, Development of a coherent gradient-sensing tomographic interferometer for three-dimensional refractive index-based measurements 17

J.M. Gong, C.C. Chan, W. Jin, J.M.K. MacAlpine, M. Zhang and Y.B. Liao, Enhancement of wavelength detection accuracy in fiber Bragg grating sensors by using a spectrum correlation technique 29

V. Madjarova, S. Toyooka, R. Widiastuti and H. Kadono, Dynamic ESPI with subtraction–addition method for obtaining the phase 35

T. Tanaka, K. Yamaguchi and S. Yamamoto, Rhodamine-B-doped and Au(III)-doped PMMA film for three-dimensional multi-layered optical memory 45

X. Peng, Z. Cui and T. Tan, Information encryption with virtual-optics imaging system 235

Y. Liang, H. Zhai and P. Chavel, Fuzzy color-image retrieval 247

J.P. Burger, S. Dubovitsky and W.H. Steier, Kerr-like nonlinear mode converters for integrated optic device applications 251

PII: S0030-4018(02)02068-0

Optical communications

S.I. Bozhevolnyi, V.S. Volkov, J. Arentoft, A. Boltasseva, T. Søndergaard and M. Kristensen, Direct mapping of light propagation in photonic crystal waveguides 51

H. Zoweil and J.W.Y. Lit, Bragg grating with periodic non-linearity as optical switch 57

P. Hlubina, Dispersive white-light spectral interferometry to measure distances and displacements 65

S. Almazán-Cuéllar, D. Malacara-Hernández and M. Servín, Two steps phase shifting algorithm using analytic wavelets 71

F. El-Diasty, Application of Fizeau fringes with bending technique to determine the shear modulus of the cladding material of single-mode optical fibers through the mechanically induced change of refractive index 267

J.T. Ahn and K.H. Kim, Long wavelength band erbium-doped fiber amplifier with a reflective type first-stage amplifier 275

Y. Tang, X. Sun, M. Rao, L. Li, C. Wang and M. Zhang, Investigation of dynamic resource allocation based on transmission performance analysis and service classification in wavelength-division-multiplexing optical networks 279

J. Zhao, Q. Xu, W. Zhou, D. Yang, S. Kapphan and R. Pankrath, Photorefractive edge-enhancement joint transform correlator 287

Atomic and molecular physics

C.S. Fletcher, J.E. Lye, N.P. Robins and J.D. Close, A self-locked magneto-optic trap 85

F.-L. Hong, Y. Zhang, J. Ishikawa, A. Onae and H. Matsumoto, Hyperfine structure and absolute frequency determination of the R(121)35-0 and P(142)37-0 transitions of $^{127}I_2$ near 532 nm 89

E.C. Jung, K.-H. Ko, S.P. Rho, C. Lim and C.-J. Kim, Measurement of the populations of metastable levels in gadolinium vapor by diode laser-based UV and near-IR absorption spectroscopy 293

D. Zhechev and N. Parvanova, Broadening, shift and polarization of spectral line emitted from hollow cathode discharge 301

B.K. Teo, T. Cubel and G. Raithel, A slow and dark atomic beam 307

D.D. Krylova, The line shape of linear optical Ramsey resonance 317

M. Johnsson, E. Korsunsky and M. Fleischhauer, Eliminating nonlinear phase mismatch in resonantly enhanced four-wave mixing 335

Condensed matter

D. Jia, L. Lu and W.M. Yen, Erbium energy levels relative to the band gap of gadolinium oxide 97

Quantum optics

L. Deng, E.W. Hagley and M.G. Payne, Optical wave group velocity reduction in sodium without on-resonance electromagnetically induced transparency 101

Y. Kim and T.H. Yoon, Higher order sub-Poissonian photon statistics of light 107

S.A. Podoshvedov, J. Noh and K. Kim, Generation of correlated squeezing in nonlinear coupler 115

L. Egil Helseth, Focusing of atoms with strongly confined light potentials 343

Laser physics and laser sources

M. Wolfrum and D. Turaev, Instabilities of lasers with moderately delayed optical feedback 127

M. Boucher, O. Musset, J.P. Boquillon and E. Georgiou, Multiwatt CW diode end-pumped Nd:YAP laser at 1.08 and 1.34 μm: influence of Nd doping level 139

J.-H. Lin, W.-F. Hsieh and H.-H. Wu, Harmonic mode locking and multiple pulsing in a soft-aperture Kerr-lens mode-locked Ti:sapphire laser 149

M. Li, M. Ishizuka, X. Liu, Y. Sugimoto, N. Ikeda and K. Asakawa, Nanostructuring in submicron-level waveguides with femtosecond laser pulses 159

H.F. Gleeson, A.J. Murray, E. Fraser and A. Zoro, An electrically addressed liquid crystal filter for tunable lasers 165

G.-R. Lin and Y. Lai, A novel phase-noise-suppressed and delay-time-tunable mode-locked erbium-doped fiber laser 169

C. Du, L. Qin, X. Meng, G. Xu, Z. Wang, X. Xu, L. Zhu, B. Xu and Z. Shao, High-power Nd:$GdVO_4$ laser at 1.34 μm end-pumped by laser-diode-array 177

C. Sailliot, V. Voignier and G. Huyet, Filamentation in broad area quantum dot semiconductor lasers 353

I.J. Sola, J.C. Martín and J.M. Álvarez, Nonlinear response of a unidirectional erbium-doped fiber ring laser to a sinusoidally modulated pump power 359

A. Agnesi and P. Uggetti, Measurement of thermal diffractive losses in end-pumped solid-state lasers 371

E.L. Saldin, E.A. Schneidmiller and M.V. Yurkov, Scheme for attophysics experiments at a X-ray SASE FEL 377

I.-J. Hsu, C.-W. Lu, C.-R. Deng, C.C. Yang, C.-P. Chiang, C.-W. Lin and Y.-W. Kiang, Optical coherence tomography using nonlinear optics in fiber for broadband source generation 391

Nonlinear optics

A. Melikyan, H. Minassian, V. Truchin, E. Gini and G. Guekos, Nonlinear interband absorption of intense light wave in bulk InGaAsP 183

Á.R. Salazar and J.E. Rueda, Modification of the exchange of energy in BSO at equal optimized coupling constant 191

R. Ivanov, K. Koynov and S. Saltiel, Efficiency of cascaded third harmonic generation in single quadratic crystal in focused beam 397

S.E. San, O. Köysal and F.N. Ecevit, Molecular reorientation-based grating diffraction in dye-doped nematic liquid crystals with red pumping source 405

Erratum

S.A. Myslivets, A.K. Popov, T. Halfmann, J.P. Marangos and T.F. George, Erratum to: "Nonlinear-optical vacuum ultraviolet generation at maximum atomic coherence controlled by a laser-induced Stark chirp of two-photon resonance" [Opt. Commun. 209 (2002) 335–347] 411

Author index 413

Subject index 419